

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A device for the continuous manufacture of microparticles or nanoparticles from at least one aqueous phase and one organic phase comprising:

a homogenization compartment in the form of a cylinder which is defined by a tubular wall forming the casing of said cylinder and by a first side wall and a second side wall which are positioned at each end of said tubular wall;

the device additionally comprising a first inlet and a second inlet which pass through said first side wall and which are appropriate for respectively delivering an organic phase and an aqueous phase to the homogenization compartment and an outlet appropriate for extracting a particle suspension from the homogenization compartment;

the homogenization compartment including a mixing system comprising a rotor/stator combination, wherein

a) said side walls are positioned along a vertical plane,

b) the axis of symmetry of said cylinder is positioned horizontally,

c) the rotor is installed so that it rotates about a horizontal axis which passes through said second side wall,

d) said first inlet is a hollow tube positioned in the extension of the axis of the rotor

and comprises a tip situated inside the rotor and inside the stator, and

e) the homogenization compartment exhibits a top side on which said outlet is situated.

2. (previously presented) The device as claimed in claim 1, wherein the rotor and the stator are cylindrical in shape.

3. (cancelled)

4. (previously presented) The device as claimed in claim 1, wherein the first inlet comprises perforations.

5. (previously presented) The device as claimed in claim 4, wherein the number of perforations is from 1 to 20.

6. (previously presented) The device as claimed in claim 4, wherein the perforations have a diameter from 0.01 mm to 1 mm.

7. (previously presented) The device as claimed in claim 1, wherein the dimensions of the rotor/stator combination are such that the mixing system occupies 4% to 40% of the volume of the homogenization compartment.

8-12. (cancelled)

13. (previously presented) The device as claimed in claim 5, wherein the rotor and the stator comprise a row of teeth and that the spacing between the teeth is from 1 to 4 mm.